

**FITZPATRICK, CELLA, HARPER & SCINTO**

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APR 16 2003

**T.C. 2800****FACSIMILE COVER SHEET**

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**TO:** Examiner: Alfred E. Dudding  
U.S. Patent and Trademark Office

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**FROM:** Peter G. Thurlow, Reg. No. 47,138 *PCT*

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**RE:** U.S. Patent Appln. No. 10/052,338  
Attorney Docket No. 03500.013949.1

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**FAX NO.:** 703-746-4390

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**DATE:** April 16, 2003                   **NO. OF PAGES:**  
*(including cover page)*

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**TIME:**                                   **SENT BY:**

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**MESSAGE**

As per our conversation, attached is the following:

- 1) Supplemental Amendment.

**IF YOU DO NOT RECEIVE ALL THE PAGES  
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In re Application of:

Docket No. 03500.013949.1

YOSHIYUKI IMANAKA ET AL.

Appln. No.: 10/052,338

Examiner: A. Dudding

Filed: January 23, 2002

Group Art Unit: 2853

For: HEAD SUBSTRATE HAVING DATA  
 MEMORY, PRINTING HEAD,  
 PRINTING APPARATUS AND  
 PRODUCING METHOD THEREFOR

Date: April 16, 2003

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APR 16 2003

T.C. 2800

COMMISSIONER FOR PATENTS  
 Washington, D.C. 20231

Sir:

Transmitted herewith is a Supplemental Amendment in the above-identified application.

No additional fee is required.

The fee has been calculated as shown below

CLAIMS AS AMENDED						
	(2) CLAIMS REMAINING AFTER AMENDMENT		(4) HIGHEST NO. PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL CLAIMS	* 34	MINUS	** 115	=	x \$9 \$18	0
INDEP. CLAIMS	* 4	MINUS	*** 4	=	x \$42 \$84	0
Fee for Multiple Dependent claims \$140°/\$280						
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT---						0

\* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

Verified Statement claiming small entity status is enclosed, if not filed previously.

A check in the amount of \$\_\_\_\_ is enclosed.

Charge \$\_\_\_\_ to Deposit Account No. 06-1205. A duplicate copy of this sheet is enclosed.

Any prior general authorization to charge an issue fee under 37 C.F.R. 1.18 to Deposit Account No. 06-1205 is hereby revoked. The Patent and Trademark Office is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 06-1205. A duplicate copy of this paper is enclosed.

A check in the amount of \$\_\_\_\_ to cover the Extension fee for response with a one-month extension is enclosed.

A check in the amount of \$\_\_\_\_ to cover the Information Disclosure Statement fee is enclosed.

Applicants' undersigned attorney may be reached in our New York Office by telephone at (212) 218-2100 or by facsimile at (212) 218-2200. All correspondence should continue to be directed to our address given below.

Peter G. Thaler  
Attorney for Applicants

Reg. No. 47,138

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Supp Amend  
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4/17/03

03500.013949.1

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
YOSHIYUKI IMANAKA ET AL. ) Examiner: A. Dudding  
Appn. No.: 10/052,338 ) Group Art Unit: 2853  
Filed: January 23, 2002 ) **FAX RECEIVED**  
For: HEAD SUBSTRATE HAVING ) APR 16 2003  
DATA MEMORY, PRINTING )  
HEAD, PRINTING APPARATUS )  
AND PRODUCING METHOD )  
THEREFOR ) T.C. 2800  
 ) April 16, 2003

Commissioner for Patents  
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT

Sir:

Further to the Amendment submitted on January 30, 2003, and in response  
to the Interview conducted on April 14, 2003 by one of Applicants' attorneys with  
Examiner Dudding, Applicants request that the above-identified application be further  
amended as follows.

I hereby certify that this correspondence is being facsimile transmitted  
to the Patent and Trademark Office (Fax No. (703) 746-4390) on  
April 16, 2003.  
(Date of Transmission)

PETER G. THURLOW Reg. No. 47,138  
(Name of Attorney for Applicants)

Peter G. Thurlow  
Signature

April 16, 2003  
Date of Signature

The present Amendment has been prepared in accordance with the Revised Format established by the U.S. Patent and Trademark Office, as permitted in the Pre-OG Notice entitled "Amendments in a Revised Format Now Permitted." The Revised Format was authorized by the U.S. Patent and Trademark Office as of December 2002, and will be mandatory as of July 2003.

The amendments to the claims are reflected in the listing beginning at page 3, and the remarks beginning at page 14.